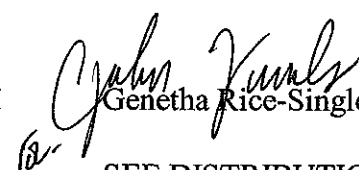



**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

**FILE** P. I. No. 0008617, Clarke County **OFFICE** Preconstruction  
CSSFT-0008-00(617)  
SR 10 Loop WB Ramp @ SR 15 NB-  
Advanced Truck Warning System **DATE** January 2, 2008

**FROM**  Genetha Rice-Singleton, Assistant Director of Preconstruction

**TO**  SEE DISTRIBUTION

**SUBJECT APPROVED PROJECT CONCEPT REPORT**

Attached for your files is the approval for subject project.

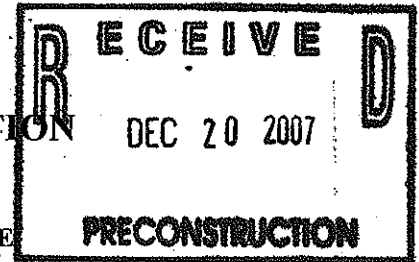
Attachment

**DISTRIBUTION:**

Brian Summers  
Glenn Bowman  
Ken Thompson  
Michael Henry  
Keith Golden  
Russell McMurry  
Angela Alexander  
Paul Liles  
Robert Mahoney  
BOARD MEMBER

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA


INTERDEPARTMENTAL CORRESPONDENCE




**FILE:** P.I. No. 0008617, Clarke County  
CSSFT-0008-00(617)  
SR 10 Loop WB Ramp @ SR 15 NB-  
Advanced Truck Warning System

**OFFICE:** Preconstruction

**DATE:** December 12, 2007

**FROM:**  Genetha Rice-Singleton, Assistant Director of Preconstruction

**TO:**  Gerald M. Ross, P.E., Chief Engineer

**SUBJECT: PROJECT CONCEPT REPORT**

This project proposes to install an Advanced Truck Warning System (ATWS) along SR 10 Loop/US 129 westbound off ramp at SR 15/US 441. A high number of truck rollover accidents have been reported on the westbound off ramp from SR 10 Loop/US 129 to SR 15/US 441 in Clarke County. Several trucks exiting SR 10 Loop/US 129 have attempted to turn right onto SR 15/US 441 at high speeds, resulting in the truck overturning. The purpose of this project is to increase the safety of the SR 10 Loop/US 129 westbound off ramp at SR 15/US 441 by reducing the number of truck rollover accidents.

The proposed ATWS will measure truck speed and , if necessary, show a warning message advising the driver to slow down before negotiating the right hand turn onto SR 15/US 441. Speed and classification will be recorded using Microwave Radar Detection and a message will be displayed to truck drivers via a blank-out sign located along the ramp.

Environmental concerns include requiring a Categorical Exclusion will be prepared; a Public hearing is not required; Time saving procedures is appropriate.

The estimated costs for this project are:


	PROPOSED	APPROVED	FUNDING	PROG DATE
Construction (includes E&C)	\$ 138,000	\$ 138,000	LS30	LUMP
Right-of-way & Utilities	-0-			

P.I. No. 0008617, Clarke County


Page 2

December 12, 2007

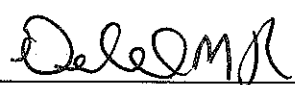
I recommend this project concept be approved.

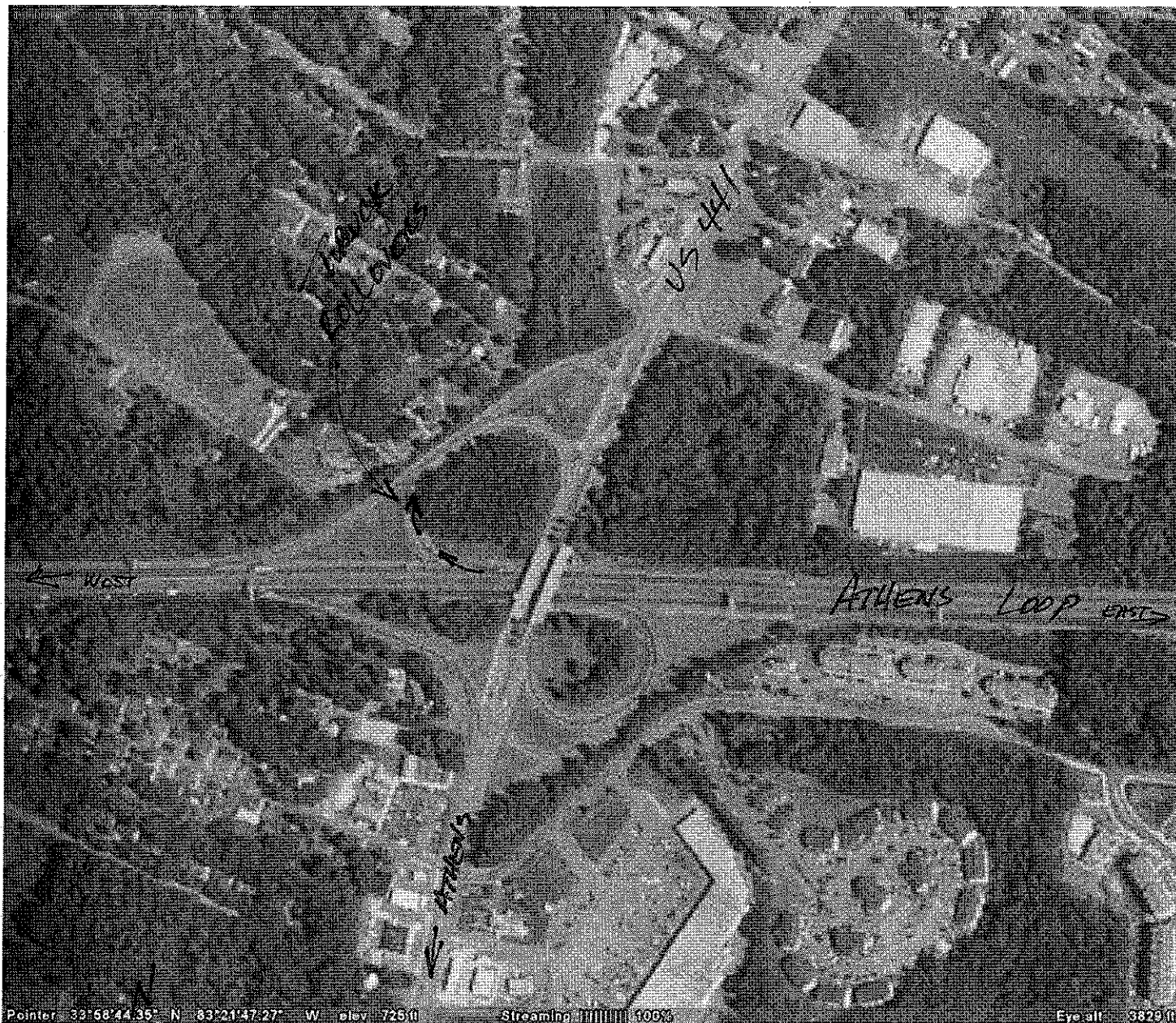
  
GRS: JDQ  
Attachment

CONCUR

  
\_\_\_\_\_  
Todd I. Long, P.E., Director of Preconstruction

APPROVED

  
\_\_\_\_\_  
Gerald M. Ross, P.E., Chief Engineer



**DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA**

**INTERDEPARTMENT CORRESPONDENCE**

NOV 15 2007

**FILE:** P.I. No. 0008617

**OFFICE:** Environment/Location

**DATE:** November 13, 2007

**FROM:**

  
Glenn Bowman, P.E., State Environmental/Location Engineer

**TO:**

Genetha Rice-Singleton, Assistant Director of Preconstruction

**SUBJECT:**

**PROJECT CONCEPT REPORT**  
**CSSFT-0008-00(617) / Clarke County**  
**SR 10 Loop/US 129 WB Ramp at SR 15/US 441 NB**  
**Advanced Truck Warning System**

The above subject Concept Report has been reviewed and appears satisfactory for approval.

If you have any questions, please contact me at (404) 699-4401.

GB/lc

Attachment

cc: Brian Summers  
Keith Golden  
Angela Alexander  
Jamie Simpson  
Russell McMurry

Project Concept Report  
Project Number: CSSFT-0008-00(617)  
P.I. Number: 0008617  
County: Clarke

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DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

PROJECT CONCEPT REPORT

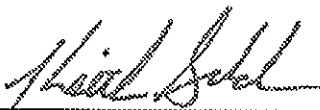
CSSFT-0008-00(617)  
CLARKE COUNTY  
P.I. NO. 0008617

FEDERAL ROUTE NUMBERS: 129, 441  
STATE ROUTE NUMBERS: 10 Loop, 15

*SR 10 Loop/US 129 WB Ramp at SR 15/US 441 NB Advanced Truck  
Warning System*

Recommendation for approval:

DATE 10-9-07

  
State Traffic Operations Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Program (RTP) and/or the State Transportation Improvement Program (STIP).


DATE \_\_\_\_\_

State Transportation Planning Administrator

DATE \_\_\_\_\_

State Transportation Financial Management Administrator

DATE 11/13/07

  
State Environmental / Location Engineer

DATE \_\_\_\_\_

District Engineer

DATE \_\_\_\_\_

Project Review Engineer

Project Concept Report  
Project Number: CSSFT-0008-00(617)  
P.I. Number: 0008617  
County: Clarke

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NOV - 2 2007

DEPARTMENT OF TRANSPORTATION  
STATE OF GEORGIA

PROJECT CONCEPT REPORT


CSSFT-0008-00(617)  
CLARKE COUNTY  
P.I. NO. 0008617

FEDERAL ROUTE NUMBERS: 129, 441  
STATE ROUTE NUMBERS: 10 Loop, 15

SR 10 Loop/US 129 WB Ramp at SR 15/US 441 NB Advanced Truck  
Warning System

Recommendation for approval:

DATE 10-9-07

  
State Traffic Operations Engineer

The concept as presented herein and submitted for approval is consistent with that which is included in the Regional Transportation Program (RTP) and/or the State Transportation Improvement Program (STIP).

DATE 11/01/2007

  
State Transportation Planning Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
State Transportation Financial Management Administrator

DATE \_\_\_\_\_

\_\_\_\_\_  
State Environmental / Location Engineer

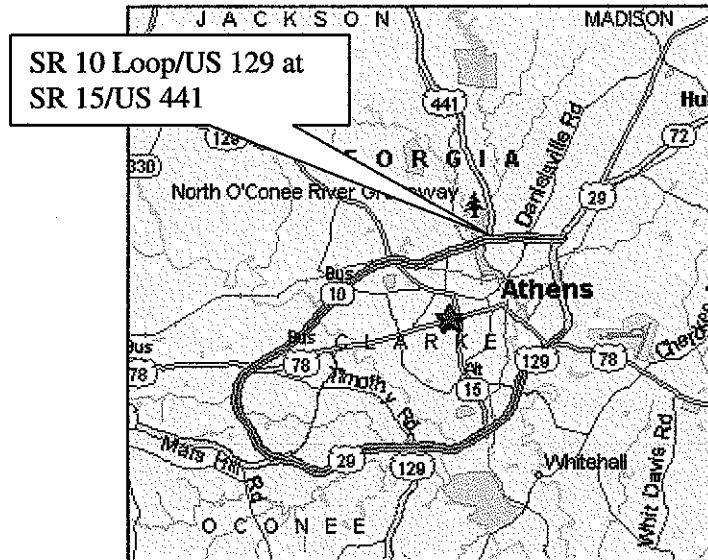
DATE \_\_\_\_\_

\_\_\_\_\_  
District Engineer

DATE \_\_\_\_\_

\_\_\_\_\_  
Project Review Engineer

## PROJECT LOCATION MAP



Location of Project in Clarke County



**Need and Purpose:**

A high number of truck rollover accidents have been reported on the westbound off ramp from SR 10 Loop/US 129 to SR 15/US 441 in Clarke County. Several trucks exiting SR 10 Loop/US 129 have attempted to turn right onto SR 15/US 441 at high speeds, resulting in the truck overturning. The purpose of this project is to increase the safety of the SR 10 Loop/US 129 westbound off ramp at SR 15/US 441 by reducing the number of truck rollover accidents.

**Description of the proposed project:**

This project proposes to install an Advanced Truck Warning System (ATWS) along the SR 10 Loop/US 129 westbound off ramp at SR 15/US 441. The proposed ATWS will measure truck speed and, if necessary, show a warning message advising the driver to slow down before negotiating the right hand turn onto SR 15/US 441. Speed and classification will be recorded using Microwave Radar Detection and a message will be displayed to the truck drivers via a blank-out sign located along the ramp.

Is the project located in a Non-attainment area? Yes ☐ No ☒

PDP Classification: Major ☐ Minor ☒

Federal Oversight: Full Oversight ☐ Exempt ☒ State Funded ☐ or Other ☐

Functional Classification: Urban Principal Arterial

U. S. Route Number(s): US 129, US 441

State Route Number(s): SR 10 Loop, SR 15

**Traffic (2006 AADT)**

source: [http://www.dot.state.ga.us/dot/plan-prog/transportation\\_data/traffic\\_counts/index.shtml](http://www.dot.state.ga.us/dot/plan-prog/transportation_data/traffic_counts/index.shtml)

SR 10 Loop/US 129 .....	50,910
SR 15/US 441 .....	18,060

**Existing design features:**

- Typical Sections:
  - SR 10 Loop/US 129 : 2-12 ft. lanes in each direction
  - SR 15/US 441: 2-12 ft. NB lanes, 1-14 ft. two way left turn lane, 1-12 ft. SB lane
  - SR 10 Loop WB Off Ramp: 1-16 ft. lane
- Posted speed:
  - SR 10 Loop/US 129 : 55 mph
  - SR 15/US 441: 55 mph
  - SR 10 Loop WB Off Ramp: 25 mph
- Minimum Radius: 75 ft. on SR 10 Loop WB Off Ramp
- Maximum grade: *Unknown*
- Major structures:
  - Bridge @ SR 15/US 441 Underpass
- Major interchanges or intersections:
  - SR 10 Loop/US 129 & SR 15/US 441

**Existing lengths:**

- SR 10 Loop WB Off Ramp: 0.17 miles

**Proposed Design Features:**

- Typical Sections:
  - SR 10 Loop/US 129 : Existing section to remain
  - SR 15/US 441: Existing section to remain
  - SR 10 Loop WB Off Ramp: Existing section to remain
- Posted speed:
  - SR 10 Loop/US 129 : Existing speed limit to remain
  - SR 15/US 441: Existing speed limit to remain
  - SR 10 Loop WB Off Ramp: **Truck Speed 15 mph**
- Minimum Radius: *Existing to remain*
- Maximum grade: *Existing to remain*
- Proposed Maximum grade Mainline: *N/A*                      Maximum grade allowable: *N/A*
- Proposed Maximum grade Side Street: *N/A*                      Maximum grade allowable: *N/A*
- Proposed Maximum grade Driveway : *N/A*
- Proposed Minimum Radius Mainline: *N/A*                      Minimum Radius allowable: *N/A*
- Proposed Minimum Radius Side Street: *N/A*                      Minimum Radius allowable: *N/A*
- Type of Access: *Limited Access*
- Right of way: *Project will be constructed within the existing Limited Access Right of Way. No additional right of way and/or easements will be required.*
  - Number of parcels: 0                      Number of displacements: 0
    - Business: 0
    - Residences: 0
    - Mobile homes: 0
    - Other: 0
- Structures:
  - *Strain poles with mast arms for microwave radar detector and overhead blank-out sign*
- Major intersections and interchanges:
  - *None*
- Traffic control during construction: *Shoulder closures and/ or lane closures may be necessary during installation of conduit, signal cables, blank-out sign and strain poles.*

**Design Exceptions to controlling criteria anticipated: None**

	<u>UNDETERMINED</u>	<u>YES</u>	<u>NO</u>
HORIZONTAL ALIGNMENT:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ROADWAY WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SHOULDER WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL GRADES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
CROSS SLOPES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
STOPPING SIGHT DISTANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SUPERELEVATION RATES:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
HORIZONTAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
SPEED DESIGN:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
VERTICAL CLEARANCE:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE WIDTH:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
BRIDGE STRUCTURAL CAPACITY:	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

- Design Variances: *None*

Project Concept Report  
 Project Number: CSSFT-0008-00(617)  
 P.I. Number: 0008617  
 County: Clarke

- Environmental Concerns: *None*
- Probable Locations of UST's: *N/A*
- Probable Locations of Hazardous Waste: *None*
- Level of environmental analysis:
  - Are Time Savings Procedures appropriate? Yes ☒ No ☐
  - Categorical Exclusion ☒
  - Environmental Assessment/Finding of No Significant Impact (FONSI) ☐, or
  - Environmental Impact Statement (EIS) ☐
- Utility involvements: *Power service will be required for radar and blank-out signs.*
- Meets Logical Termini Requirements: *Yes*
- Conforms to TIP/STIP: *Yes*

**Project responsibilities:**

- Design: *Gresham Smith and Partners on Behalf of the Georgia DOT.*
- Right of Way Acquisition: *N/A*
- Relocation of Utilities: *GDOT*
- Letting to contract: *GDOT*
- Supervision of construction: *GDOT*
- Providing material pits: *None Required*
- Providing detours: *None Anticipated*

**Coordination**

- Pre-Concept Meeting: *N/A*
- Initial Concept Meeting date and brief summary: *To be determined.*
- Concept meeting date and brief summary: *To be determined.*
- P. A. R. meetings, dates and results: *None Required*
- Public involvement: *No public meetings are anticipated.*
- Local government comments: *N/A*
- Other projects in the area: *See attached list*
- Other coordination to date: *None*

**Scheduling – Responsible Parties' Estimate**

- Time to complete the environmental process: *4 Months*
- Time to complete preliminary construction plans: *4 Months*
- Time to complete right of way plans: *N/A*
- Time to complete the Section 404 Permit: *N/A*
- Time to complete final construction plans: *3 Months*
- Time to complete to purchase right of way: *N/A*

**Other alternates considered:**

*Alternative #1: No Build*

**Comments:** *None*

**Attachments:**

1. Cost Estimate including E & C
2. List of other projects in the area (Projects in Area summarized below)
3. Concept Report Rating Form

**SR 10 Loop @ SR 15/US 441 NB Advanced Truck Warning System**  
**CSSFT-0008-00(617), PI 0008617**  
**Clarke County**  
**Quantities and Cost Summary**  
**Concept Cost Estimate**

Item Code	Description	Unit	Quantity	Engineer Estimate	
				Unit Price	Amount
150-1000	Traffic Control CSSFT-0008-00(617)	LS	LUMP	\$	\$10,000.00
615-1200	Directional Bore, 5 in	LF	1,000	\$22.00	\$22,000.00
631-0021	Permanent Changeable Message Sign, Perm. Blank Out, TP 1	EA	1	\$15,000.00	\$15,000.00
631-8000	Testing	LS	LUMP	\$	\$5,000.00
639-4004	Strain Pole, TP IV, w/35 ft Mast Arm	EA	2	\$7,500.00	\$15,000.00
647-1000	Traffic Signal Installation #1	LS	LUMP	\$	\$10,000.00
647-2120	Pull Box, PB-2	EA	5	\$1,000.00	\$5,000.00
682-6222	Conduit, Nonmetl, Tp 2, 2 in	LF	250	\$10.00	\$2,500.00
682-6228	Conduit, Nonmetl, Tp 2-Power Service, 2 in	LF	500	\$12.00	\$6,000.00
682-6233	Conduit, Nonmetl, Tp 3, 2 in	LF	1,000	\$5.00	\$5,000.00
938-0503	Microwave Radar Detection Assembly	EA	1	\$5,000.00	\$5,000.00
938-8000	Testing	LS	LUMP	\$	\$5,000.00
938-8500	Training	LS	LUMP	\$	\$2,500.00
939-4040	Type D Cabinet	EA	1	\$5,000.00	\$5,000.00
939-5010	Electrical Power Service Assembly, Aerial Service Point	EA	1	\$2,500.00	\$2,500.00
939-8000	Testing	LS	LUMP	\$	\$5,000.00
939-8500	Training	LS	LUMP	\$	\$5,000.00
<b>Total</b>					<b>\$125,500.00</b>

10% E&C

12,550.00  
 138,050.00

*APL*  
 12/6/07

Project Concept Report  
Project Number: CSSFT-0008-00(617)  
P.I. Number: 0008617  
County: Clarke

**Projects in Area:**

- 1. Widening of SR 15/US 441 from the Clarke County Line to SR 335**  
GDOT PI 122300  
PE – 1994, ROW – 2002, CST - 2005
- 2. SR 326, 10, and 11 Deep Patching**  
GDOT PI 0003485  
CST – 2006
- 3. Widening of SR 15/US 441 from SR 10 Loop North to Clarke County Line**  
GDOT PI 0002391  
PE – 2012, ROW – 2014, CST – 2016

Project Concept Report  
 Project Number: CSSFT-0008-00(617)  
 P.I. Number: 0008617  
 County: Clarke

**SCORING RESULTS AS PER TOPPS 2440-2**

<b>Project Number:</b> CSSFT-0008-00(617)		<b>County:</b> Clarke		<b>PI No.:</b> 0008617	
<b>Report Date:</b>					
<b>Concept By:</b> DOT Office: Traffic Operations					
<input checked="" type="checkbox"/> CONCEPT					
<b>Consultant:</b> Gresham Smith and Partners					
<b>Project Type:</b> Choose One From Each Column		<input type="checkbox"/> Major <input checked="" type="checkbox"/> Minor	<input checked="" type="checkbox"/> Urban <input type="checkbox"/> Rural	<input checked="" type="checkbox"/> ATMS <input type="checkbox"/> Bridge <input type="checkbox"/> Building <input type="checkbox"/> Interchange <input type="checkbox"/> Intersection <input type="checkbox"/> Interstate <input type="checkbox"/> New Location <input type="checkbox"/> Widening & Reconstruction <input type="checkbox"/> Miscellaneous	
<b>FOCUS AREAS</b>	<b>SCORE</b>	<b>RESULTS</b>			
Presentation	90	PROVIDE AERIAL MAP OF RAMP OR CONCEPT LAYOUT.			
Judgment	100				
Environmental	100				
Right of Way	100				
Utility	100				
Constructability	100				
Schedule	100				

## NOTICE OF LOCATION AND DESIGN APPROVAL

**PROJECT: CSSFT-0008-00(617) CLARKE COUNTY**  
**P. I. NO. 0008617**

Notice is hereby given in compliance with Georgia Code 22-2-109 that the Georgia Department of Transportation has approved the Location and Design of the above projects.

Date of Location and Design Approval: JANUARY 2, 2008

Project CSSFT-0008-00(617) proposes to install an Advanced Truck Warning System (ATWS) along the SR 10 Loop/US 129 westbound off ramp at SR 15/US 441. The proposed ATWS will measure truck speed and, if necessary, show a warning message advising the driver to slow down before negotiating the right hand turn onto SR 15/US 441.

Drawings of the proposed project, as approved, are on file and are available for public inspection at the Georgia Department of Transportation:

Mr. Jim Tolson, Traffic Operations Manager  
935 E. Confederate Avenue  
Wayne Shackelford Building  
Atlanta, GA 30316  
(404) 635-8139  
email: [jim.tolson@dot.state.ga.us](mailto:jim.tolson@dot.state.ga.us)

Any interested party may obtain a copy of the drawings or portions thereof by paying a nominal fee and requesting in writing to:

Keith Golden, P.E.  
Office of Traffic Operations  
935 E. Confederate Avenue  
Building 24  
Atlanta, GA 30316  
email: [keith.golden@dot.state.ga.us](mailto:keith.golden@dot.state.ga.us)

Any written request or communication in reference to this project or notice should include the Project and P.I. Number as noted at the top of this notice.